

FIRST CLASS MAIL



A Publication of
THE PHIL-MONT MOBILE RADIO CLUB, INC.
2113 EDGEHILL DRIVE, FURLONG, PA 18925

THE BLURB

PHILMONT MOBILE RADIO CLUB
W3RQZ • W3TKQ • W3QV




BLURB

December 1990



is published monthly by, and for, the members of The PHIL-MONT MOBILE RADIO CLUB, INC. whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. BLURB subscriptions are available to non-members for \$6.50 addressed to the Treasurer. The club meets at 7:30 PM on the first non-holiday WEDNESDAY of every month at The Franklin Institute, 20th Street and the Benjamin Franklin Parkway, Philadelphia. Use the Winter Street (north side) entrance.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - the first non-holiday THURSDAY of every month at The Franklin Institute - doors close at 6:30 PM-SHARP!

CLUB INFORMATION

- 24 Hour Information Number at W3TKQ -(215) 448-1139
Repeater frequencies: 147.03 & 444.80 MHz - Simplex frequency: 147.51 MHz
Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB
W3RQZ - 1176 Old York Road, Abington, PA - Trustee W3VVS
W3TKQ - The Franklin Institute, Philadelphia, PA - Trustee W3PWG
ALL LICENSED AMATEURS ARE WELCOME TO OPERATE W3TKQ.

OFFICERS

PRESIDENT: W3UY, Larry Clifford, 951 Surrey Drive, Blue Bell, PA 19422
VICE PRESIDENT: N3FVI, Bill Popovic, 343 Lemonte Street, Philadelphia, PA 19103
SECRETARY: N3GLH, Brad Swanson, 517 Cresheim Valley Road, Wyndmoor, PA 19118
TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095

DIRECTORS

W3BBB (90); K3GBA (A); AK2I (91); W3IIM (A); W3IIN (A); K3KUD (91); W3LKI (90)

COMMITTEES

Archives:	W3IIN	Membership:	W3IIN	Special Events:	N3FVI
BLURB:	W3IIM	Net Control:	KB3IV	TVI	WA3AUN
Budget /Audit:	W3IIN	Program:	N3FVI	VE Program:	ND3Q
Directory:	WB3KOJ	Publicity:	-----	W3TKQ:	W3PWG
DX:	WA3AUN	Refreshments:	N3FVI	Welcome:	W3VVS
		Repeater:	W3BBB		

BLURB STAFF

Editor: W3IIM, Jack Haring, 2113 Edgehill Drive, Furlong, PA 18925
(215) 794-7623

Artist: Sam Kunceovich

Assistant Editor/Typist: W3IIN

N3DHI, K3GBA, WB3KOJ

DEADLINE: To be assured of publication in the current month, all copy **MUST** be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET



APPLE BYTES

Don Gordon, WB3KOJ

DECEMBER BIRTHDAYS

02 Donald Gordon - WB3KOJ
06 Susan Lada - N3FTY
08 Albert B. Rowland - W3JIL
09 R. Lafayette Beamon, Jr. - W3BFM
James J. Bock - K3PHC
10 Elsie Bardsley (XYL K3OJA)
13 Ramona B. Dabagian - KM3N
Nicholas C. Ipri - KA3VLI
16 Virginia A. Macrie - KA2ZZA
19 Lawrence Stevenson - KD3QE
21 Clinton R. Spencer, III - N3DHI
26 Fredwood S. Shaw - W3ADV
27 Rachel Klabe (XYL WA2YDS)
Clinton R. Spencer, Jr. - W3BBB
28 Betty King (XYL W3PXY)
29 Salvatore Valente - NS3Y
30 Frank H. Lewis - N3DGU
31 Rheba Bock (XYL W3PHC)

HELP PHIL-MONT

Are you planning to join ARRL or renew your current membership?
Help Phil-Mont by joining or renewing through the club.
Contact KB3IV for the details.

DIRECTORY UPDATE

It's that time again! With this BLURB you received your 1991 Dues Invoice and Directory Information Sheet.

PLEASE CHECK YOUR INFORMATION AND RETURN TO KB3IV
WITH YOUR DUES... YOUR EARLY REPLY WILL SPEED THE
PUBLISHING OF THE 1991 DIRECTORY.

HELP THE CLUB.... PAY DUES EARLY

WHO WERE THESE MYSTERY GUESTS?



REPEATINGS

ICOM day at Hamtronics, December 8... A certain "2" call, ending in "I", has recently had "a closer walk with God" who sayeth "Ye shall perform regular hard-disk back-ups, or walk through the valley of deep doo-doo"... A good way to attend a Phil-Mont meeting incognito is to lose 226 pounds — nice to see what's left of ya, Jon! — see "mystery guest," above — (W3KG nee W3AES)... Notice our brand new member applicant — Ed, WA3MRP has already joined the ranks of 'TKQ volunteers!... Also note our other applicant — Kay Craigie, KC3LM, another 'TKQ aficionado!... Ted, N3FTZ, won his "Permanent Responder" credentials the other night, when the repeater hollered "intruder alert" — he lives down the street... Bill, WB3CMM, is out of the hospital and mending for a month before returning to work.

The PREZ SEZ

Larry Clifford, W3UY

At the club's last general meeting, the efforts of the Nominating Committee were revealed to the membership. I want to extend to Bob, K3KUD and his committee, my personal thanks for their work in putting together a slate of candidates for the club's various elected positions. To those who are willing to undertake the responsibility of club leadership, I also must tip my hat. Surely those who are elected will bring to Phil-Mont an earnest effort to better the club.

On December 5 elections will be held, and later that evening, we will know who

will be the leaders of the club for the next year. I urge all members to cast their votes, either in person or via the mail procedure.

You have the opportunity to point to the persons you want to guide the club. If you don't vote, then you have less grounds on which to disapprove of how the club is being administered. So your vote is important, both for the benefit of the club, as well as your own.

Please cast your votes for the persons you feel who will best serve the interests of Phil-Mont.

HAM SHAM

Dear Jack:-

I have been trying for more than 30 years to stop that article on the origin of the word "HAM" which appears on page 20 of the [November] Blurbs. This is a pure sham. The QCWA Journal recently ran the article, and they got responses from me, and another fellow, who gave information relative to tracing it down. None of those mentioned were found, and there is no record in Congress of such a meeting.

At that time the word "HAM" was used as it is today: an amateur actor. It was ideal for a radio amateur. As a matter of fact it has been suggested that it originated from "squeezing" amateur down to "am" and adding an H to make it easy to use. So, where you can, please put out the word that the article you included is a pure sham.

I sure wish I was closer to Philly than I am, I would just love to meet with those wonderful old time people that I knew back then. I was 81 last August and I do not travel like I used to!

Thanks for a wonderful newsletter and 73.

Ralph V. "ANDY" Anderson, K0NL

Editor's note: Andy is Editor Emeritus of the Amateur Radio News Service.

*** UPDATE *****HAMFESTS**

- Dec 5 **General Meeting
and
ELECTIONS**
with **AK2I** as
de **JUDGE!**
- Dec 19 Directors' Meeting at
W3IIM & N's
Christmas Cottage in the woods
- Jan 2 **General Meeting**
- Jan 16 Directors' Meeting at
W3UY's
- Feb 6 **General Meeting**

- Mar 3 DOVER, PA
York Springfest
- Mar 16
(Saturday) FLEMINGTON, NJ
Flemington Hamfest

CLUB INFORMATION

24 Hour Information Number at W3TKQ
(215) 448-1139

V.E. TEST LOCATIONS

from EPA FEEDLINE & others

Confirm all information, in advance, with the contact person. Licensed applicants must bring their original license and one photocopy of it. All applicants, including children, must present positive ID. Also bring the original of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1990 test fee is \$4.95; there is no charge for a Novice test. (Fee increases to \$5.25 in 1991.)

BELLMAWR, NJ
Monthly, 3rd Thursday
Bill Helmatag
(609) 546-7710

CENTER CITY
Monthly, 1st Thursday
Dusty Rhoads, ND3Q
(215) 482-0386
(215) 879-0505

PERKASIE
Monthly, 3rd Monday
Warren Erdman K3ZXQ
(215) 679-5764

BRYN MAWR
Bob Haase, W3SA
(215) 293-1919

LEVITTOWN
Dave Munson
(215) 788-7515

HATBORO
Tom Michaud, WA3TQJ
(215) 343-3494

The repeater has a special "WEATHER ALERT" mode which is designed to encourage SHORT transmissions (75 second timeout) during difficult driving conditions.

Ours is a *MOBILE* club. Fixed stations: please do not tie-up the repeater in bad weather!
(The following is reprinted from the 12/89 issue of The BLURB.)

REPEATER ETIQUETTE 101

As **bad weather** approaches, repeater users should remember to leave nice long pauses, during drive-time ragchews, so others can call for help, if necessary.

Transmissions should be kept short.

Never ignore a breaking station while you finish your oration on non-resonant rhombics; it could be an emergency call.

Don't be a repeater dominator (one who, after safely arriving home through **ice and snow**, then proceeds to tie-up the repeater while others are still trying to achieve the same success).

Those who totally ignore the "courtesy tone" before transmitting, should try, 'extra hard', to be more courteous to those who are trying to break-in. It can be very angering to be unable to break-in after repeated attempts, solely because the conversing parties are inconsiderate.

Perhaps the following rule says it all: *If you don't hear the courtesy tone, either the repeater needs repair, or your operating procedure does.* -Ed

USAF GENERAL CURTIS E. LEMAY, W6EZV, DIES

Retired U.S. Air Force General Curtis E. LeMay, W6EZV, died Oct. 1 in Los Angeles. He was 83, and in the 1950s was a leading proponent of single sideband techniques.

LeMay enlisted in the Army in 1928 and by 1930 was a second lieutenant in the U.S. Army Air Corps. During World War 2 he was a bomber pilot, then a division commander in the European Theater, advancing to the rank of major general.

In 1948 LeMay took over the Strategic Air Command, serving for eight years while SAC expanded from 600 bombers to more than 3,000 hydrogen bomb-carrying jets.

In 1952 the Collins Radio Company announced a mechanical filter suitable for communications purposes, opening up the world to single sideband. At that point in the Cold War the U.S. had bombers in the air 24 hours a day, but the long-range radios aboard often could not communicate with Air Force ground stations. Collins Radio founder Arthur Collins himself led a design team to solve the problem. LeMay, a ham, watched the work with interest.

In 1955 Collins unveiled a complete SSB air-ground and point-to-point commu-

nications system known as "Birdcall." Collins gear eventually would pioneer SSB not only on military aircraft but civilian as well, and was used by various scientific groups at Antarctic bases during the International Geophysical Year, 1957.

According to *The First 50 Years, a History of Collins Radio*, in mid-1956 LeMay, General F.H. "Butch" Griswold, K0DWC (vice commander of SAC), and Arthur Collins operated a station from aboard an Air Force C-97, and "worked all continents and maintained continuous contact with a ham network in the United States." This book, by Ken C. Braband, was published in 1983.

"We can now," Griswold said in 1960, "make instant contact with any of our more than 2,000 bombers whether they are at the North Pole or South."

In 1961 President Kennedy named LeMay Air Force chief of staff, a position he held only briefly.

After he retired, LeMay became board chairman of Networks Electronics Corp. of Chatsworth, Calif. He was fired in 1968 for serving as the running mate of George C. Wallace in the 1968 presidential campaign.

tnx The ARRL Letter

**AMATEUR LICENSE EXAMS HELD ON THE FIRST
NON-HOLIDAY THURSDAY OF EVERY MONTH**

Registration begins at 6:00 PM

Doors close at 6:30 PM sharp

THE FRANKLIN INSTITUTE

For Information Call ND3Q at

(215) 482-0386 or 879-0505

Accessible by the handicapped.

MINUTES

NOVEMBER GENERAL MEETING

The November General Meeting was held at The Franklin Institute on Wednesday the 7th at 19:00 hours. It was **Ole Timers' Night**, and the business part of the meeting didn't start until 20:11 hours. 36 members and 8 guests enjoyed the special wine and cheese table prepared by Jinny, W3IIN and Bill, N3FVI. Guests were WA3MRP, NA2L, WA3UKE, KA3UNF, KA3WUU, KA3NLB, N3ELO and Joan Dorsaneo. In the absence of the president, N3FVI dispensed with the business reports and went right to W3TKQ.

W3TKQ - AK2I reported that he already had 14 volunteers totaling 108 hours. If you currently hold a technician class license, or higher, and are a member in good standing, Jake is interested in hearing from you. Jake also pointed out the fabulous benefit package being offered by the Insti-

tute in exchange for the volunteers' time.

Mo-Com - N3DHI reported that the sale is final.

New Business - Hamtronics will be sponsoring ICom day on Dec. 8.

Nominating Committee - W3RM read the official list of candidates for 1991. They were as follows: For the office of President - N3FVI. Vice President - N3GLH. Treasurer - KB3IV or KA2ZZA. Secretary - N3FTZ or N2RM. Director, (vote for 2) - W3BBB, K3GBA, KC2HX or W3LKI. When the floor was opened for additional nominations N2RM nominated N3GWG for director. The nomination was seconded by NS3Z.

N3FVI made the motion to close nominations. The motion was seconded by N3FTZ. The meeting adjourned at 20:39 hours. Respectfully submitted; Brad Swanson, N3GLH, Secretary.

MINUTES

NOVEMBER DIRECTORS' MEETING

The November Mid-Month meeting was held at the home of WB3KAC on November 15, 1990. Present were W3UY, N3FVI, KB3IV, N3GLH, W3BBB, K3KUD, K3GBA, AK2I, W3IIM, W3IIN, W3RM, N3DHI, KA3AMO, W3PXY, WB3KAC, N3GWG.

The meeting was called to order at 20:16 hours by W3UY. The minutes from the general meeting were read by N3GLH, and the treasurer's report was read by KB3IV. *Special Note* Thank you to the nominating committee for all their hard work.

Mo-Com - The sale of our beloved bagel buggy has been finalized. The check is in the bank.

The BLURB - The cost of a subscription is \$10.00. Currently only \$6.50 is being charged. The motion to raise the blurb subscription to \$10.00 was made by W3PXY and K3KUD seconded the motion. It passed.

W3TKQ - AK2I reports that all's well that ends well. Tioga Pipe Co., of Wheat-sheaf Lane, donated 2 pieces of stainless steel tubing in order to repair TKQ's beam.

W3IIM made the motion that, after the club makes its annual purchase of new call books for 'TKQ, the old call books should be auctioned-off to help defray the cost of the new ones. Naturally such a good idea had to be seconded by W3BBB so, of course, the motion passed. ➡

⇒ **Membership** - Welcome to N3FSC, Greg Malone.

New Business - W3BBB motioned that a family membership should cost \$9.00. In other words an individual member pays \$18.00 and each additional family member costs \$9.00. The motion was seconded by K3KUD who then motioned to raise the initiation fee to \$10.00. It was seconded by K3GBA, but the motion failed. W3BBB then motioned only to raise the initiation fee to \$8.00. AK2I seconded and the motion was passed.

N3DHI felt that sending a complementary *BLURB* to East-Link should be put into effect. W3IIN seconded the motion and it was passed.

W3BBB reminded the board that last year a motion had been passed to purchase a Digital Voice Recorder (DVR) to add to the repeater's capabilities. Well are we still interested? W3IIM re-motioned to purchase a DVR. AK2I seconded. The motion passed. I hope we don't have to wait until next year!

Net Control - KB3IV is in the process of putting a schedule together. N3DHI suggested that the Sunday morning 2 meter net be changed to Tuesday evening before the code practice. The idea was discussed and will be presented at another time.

Budget - W3IIN passed out the 1991 Budget report. Financier N3GLH made a motion to accept the budget as presented, and as the treasurer (KB3IV) seconded the motion, it passed.

The meeting adjourned at 22:18 hours. Respectfully submitted by Brad Swanson, N3GLH, Secretary, and Vibeke L. Hopkinson, Guest Secretary.

[She's a school teacher — she's trained in interpreting crayola. —Ed]

COMMUNICATIONS ACT CHANGES

The FCC Authorization Act (signed Oct. 1) includes several items of interest. Work begun by Senator Barry Goldwater, K7UGA (and others), before he retired, has now been completed, with the changing of the Communications Act of 1934 to include a prohibition against willful or malicious interference. The new Section 333 reads: "No person shall willfully or maliciously interfere with or cause interference to any radio communications of any station licensed or authorized by or under this Act or operated by the United States Government." (Until now, such transgressions were violations of FCC rules, rather than of Federal statutes.)

A special subparagraph of the act permits the Commission to spend up to \$2,000,000 to upgrade their laboratory in Laurel, Maryland. The act also permits the Commission to establish a volunteer examiner system for commercial radio operator licenses and endorsements, allowing the examiners to recover from examinees "such fees as the Commission permits, considering such factors as public service and cost estimates submitted by such person."

Another change to the Communications Act may eventually affect reciprocal licensing between some countries in the Western Hemisphere, by permitting U.S. participation in the Lima Convention, signed by the United States and nine other countries on August 14, 1987. Other countries, including Mexico, have since agreed to that accord.

tnx The ARRL Letter

it's powered by the automobile battery. And a mobile is a particularly good thing to have around if electricity is out.

The mobile units do a great public service. These men are, to a great degree, unsung and unhonored in their aid to the public. During the hurricanes, for instance, the hams with the mobile units went out and cruised about and reported wires down and danger spots. These facts are relayed to the ham at a home set who in turn calls his information to the power companies or police. Ham operators have, upon occasion, followed hit-run drivers and reported license numbers and position to police. When the Picard family starts off on one of its balloon journeys, ham mobile units follow and report its progress to the CAA which can in turn, chart its course and warn planes that the balloon is in the area. You can see that such a set-up would be of untold value during an emergency; either a freak of nature or an act of war... radios unhampered by power failures, able to cruise about independently and report to hundreds of radios, in other spots.

They have an unofficial thing called the "snow net." During a snowstorm, the first fellow to get home gets on the network and receives and transmits weather and snow conditions to and from the area; reports that are called in by fellows in the mobile units.

The Phil-Mont Mobile Amateur Radio Club is an organization of Philadelphia and suburban mobile operators. This four year old organization is comprised of sixty members. These are the men who use the so aptly named Scrambled Eggs, etc., etc., nets. This is an FCC approved group and they meet once a month formally; untold times informally via radio. Members must be FCC licensed, having sufficient technical knowledge and having permission to operate an amateur station. A novice license is good for one year and not renewable.

The Phil-Mont Radio Club recently won an award from the ALMO Company which sponsors competitive radio clubs. It gives awards for the best preparation for emergency service, the best contribution to the community, and so on.

The men I met were most interested in talking to other hams within this country. The DX-ers communicate with foreign countries. "That's another thing entirely," they tell me. So be it.

The Phil-Mont club owns a very handy some communications trailer. This is equipped with emergency power and complete communications facilities. It can be used at parades, golf matches, sports events, boat races, Civil Defense Communications drills.

Throughout the Philadelphia and suburban areas, fixed stations with vertical antennas and squelch operated receivers monitor the club "net" frequency. A mobile in need of assistance, or with a message to relay, can usually contact a field station on the Phil-Mont frequency.

Once a year there is a Field Day when the different clubs meet and run for 21 hours straight, operating on gasoline power. This is a real test for their efficiency in emergencies.

A lot of famous people are hams; General Curtis Le May, Martin Block, Herbert Hoover, Jr. This radio transmitting is a wonderful medium between all sorts of people. They all have some interesting stories to tell and Brad probably has the most! When he was in the Navy, he took his own transmitter and receiver to Lakehurst till the government equipment arrived!

I did a lot of listening, both to my hosts and to the voices over Spencer's receiver. I talked to "Mina" in Philadelphia, a school-girl who had become a ham in a trade with her dad... Mina wanted a horse, Dad wanted her to learn to be a ham. She did... and the night I talked to her she was all excited because she had just talked to Hawaii!

So it was enlightening and exciting and interesting... and quite easy for me to see why ham operators are so engrossed in their hobby.

And I feel better now, knowing that in all emergencies, they go unmasked, unobtrusively, on their way to see what they can do to help. It's good to know that they are there, ready to help us.

tnx TIMES CHRONICLE — 12/9/54

Let's Visit HAM OPERATORS

Leila Breeze

Have you heard about "the biggest party line in the world?" That is the ham or amateur radio network.

Perhaps you would like to listen in to the Scrambled Egg Net from 7:30 to 8:30 in the morning? If that's not convenient, you could transmit over the Junior Exec network from 8:00 to 9:00. After that there's the Vice-President's Net which begins at 8 and goes on "until the boss complains!"

This the way the hours of transmitting was explained to me, an uninformed bystander, by several ardent radio hams a few weeks ago.

If you follow this newspaper, you may have read that my TV set began getting conversations carried on by radio hams in my neighborhood and on mobile transmitting sets. The whole thing was fascinating and I stated in print that I wanted to do a feature on them. The next thing I knew, I was seated in a radio transmitting "shack" surrounded by hams, all explaining the whys and wherefors of amateur radio transmitting to me!

Needless to say, this tired female brain of mine absorbed very little of the technical aspects of it, but the friendliness and fun of it... I got that!

The spot where I received my information was in the basement of Clinton Spencer, Jr. (he's W3QQH) in North Hills. And they all know one another's letters before they know the names!

I have seen a lot of ham transmitter and receiver set-ups in my day but never anything like this.

An entire room, about 12 x 16, was entirely given over to the set-up. This was the "shack." The entire left hand wall was devoted to transmitters and power supplies. A handsome modern desk claimed the greater part of the room and here were two receivers and a remote control box. The whole room was neat as a pin. Russ Hamilton informed me that most of the ham shacks are usually "a little less neat."

It would be foolish of me to attempt to explain the technicalities of ham radio trans-

mission, even though my informants used simple, elementary terms. One thing they stressed; if you are interested in being a ham, you can get started on a modest amount of cash and a very small transmitter and even a used receiver. But it won't take long for the bug to bite you... I narrowly escaped it in a couple of hours!... and you'll gradually start expanding and getting better equipment.

My tutors for the evening were the aforementioned Clinton Spencer and Russ Hamilton (whose transmitting had been coming in over my TV!) Then there was Brad Martin, a much respected and admired "old timer" in the group. Martin formerly worked on police radio maintenance and Paul Bohlander. Spencer is a carpenter and builder; Bohlander is a technical writer in electronics at Philco (and a very good looking guy!); Russ Hamilton is a photographer for the Bulletin. And they reeled off the names of many other local people who are also hams: Lou Sharpless, a stationer; Joe Graber, realtor; Bill Krewson, lumber and coal; Dick Moll, now in the service and Marion Moll, a novice, a college student.

Jim Spencer didn't want me to "feature" his shack and equipment, but I was so impressed that I had to mention it. Besides the elaborate set-up in the basement, he has auxiliary transmitters and receivers throughout the house and garage. The set is almost always turned on and he can "listen in" on the party line and switch to transmitting if he wants to answer or get into a conversation.

And it DOES get you! With that wonderland of electronics confronting you, you find yourself wondering what's going on?" or "Who's talking

As well as the stationary sets, there are those other wonders, the mobile units. These are installed in [cars] and you can listen to your ham pals to and from work and on a lonely business trip. You can talk to new people, all over the country; ask about local weather, politics, crops... The same basic principles control the mobile set except that

FCC: BOROUGH MAN BROADCAST ILLEGALLY

"Ham" radio gear seized by agents

Federal agents [Tuesday, November 6] descended on the home of a Norristown man who is believed to have been interrupting police and fire transmissions with unlicensed ham radio equipment.

At about 10:15 a.m. two federal marshals and two Federal Communications Commission (FCC) engineers seized radio equipment belonging to Ernest Wood, 30, of the 500 block of Stanbridge Street.

FCC engineer Barry Peahota, who was one of the agents executing the warrant, said Wood had been using two hand-held transmitting units which were modified to broadcast on VHF in the 130 to 175 megacycle range.

Peahota said Wood had obtained his [technician class] amateur radio license [KA3WHZ] from the FCC on Aug. 7.

State police, the Norristown fire department and the Norristown Yellow Cab Co. all have been subjected to the illegal broadcasts - sometimes in the form of harassing remarks and obscene language, according to court papers.

Authorities said Wood has at times impersonated a state trooper, falsely reporting to the police dispatcher that he has checked on a situation.

Assistant U.S. Attorney James G. Sheehan, who filed a civil suit to seize the equipment, said Wood will not be facing criminal charges.

"We just wanted to take his toys away," Sheehan said.

Norristown fire chief Joseph R. DeDominic said that on Oct. 20 the fire department had dispatched trucks for a report of a fire and that someone made a false recall of the trucks by radio according to court papers.

DeDominic played a tape recording of that incident for John E. Rahtes, the engineer-in-charge of the FCC's Pennsylvania field office.

Fire officials first heard the interference two to three months ago, and continued to hear it about once or twice each week since then, DeDominic said.

"The problem that we had was the equipment that was used was strong enough to overpower some of the equipment the fire department was using", the chief explained. "The person that was doing it was giving commands to fire personnel to leave the fire scene prior to official commands, which really was dangerous.

"He even went as far as taping fire personnel, and playing it back. He used our voices to talk. That was another major problem."

In an affidavit filed Monday in federal court, Rahtes said he recognized the voice as that of the man he was investigating for interfering Oct. 11 with Norristown Yellow Cab Co. transmissions.

Rahtes used a specially designed FCC vehicle to track the signals and determined Oct. 29 that the source was 566 Stanbridge St., according to the affidavit.

Linda Fishel, who rents the first floor apartment at that address, allowed Rahtes to enter the building to help her solve her television interference problems caused by the illegal radio station.

Once inside, Rahtes said he was able to determine that the transmissions were coming from the second-floor apartment, which is rented by Wood.

Outside Wood's door, Rahtes said he heard two-way radio communications and recognized the voice from the tape.

Rahtes said he also questioned Wood's landlord, William Daley who lives at the end of the block and said he recognized the voice on the tape as Wood's.

Daley said he had seen several pieces of two-way radio equipment and large antennas when he was making repairs in Wood's apartment, according to Rahtes.

Tnx TIMES HERALD

67th MONTHLY VE SESSION STATISTICS

NOVEMBER

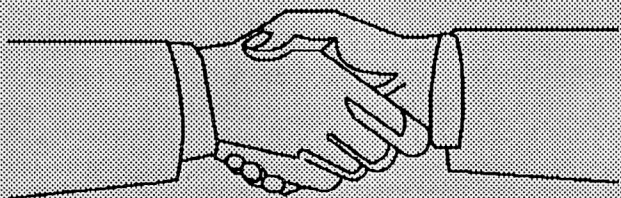
9 candidates pass 8 elements

6 upgrades

Name	Call	From	To
William Ayers	N3ICL	General	Advanced
William Carter			Novice
Samuel Lewis	N3GPQ	Tehnician	General
Gerald Mayall	KA3TAY	Novice	Technician
Michael Morgan	KA3WIU	Novice	Technician
Bernard Sandler			Technician

Congratulations to all, and to the members of our VE team:

ND3Q Dusty Rhoads, Chairman
 NZ3Q Ted Coats
 K3SNZ Vince Braxton
 NS3Z Bob Forrester
Contact Person:
 W3PWG Rolland Madera

**NEW MEMBER APPLICATIONS**

CALL: KC3LM
NAME: Kay Craigie
HANDLE: Kay
CLASS: Extra
ADDRESS: 5 Faggs Manor Lane
 Paoli, PA
 19301
OCCUPATION: Vice Director, ARRL
 Atlantic Division
HOME PHONE: (215) 993-9623
WILL HELP WITH: W3TKQ

CALL: WA3MRP
NAME: Edward L. Muse
HANDLE: Ed
CLASS: Extra
ADDRESS: 6100 City Ave.
 Apt. 1517
 Philadelphia, PA
 19131
OCCUPATION: Electronics Instructor
BUSINESS PHONE: (215) 878-8559
WILL HELP WITH: Repeater & Technical

I WAS THERE

Perry Blum, N3AXJ

Recently I went to see a picture called "The Memphis Belle." It's a story about a bomber crew flying their last mission before being sent back to the States. Their bomber was a B17 Flying Fortress. The raid was to Bremen, Germany. On a scale of one to ten, I would give this picture a nine. The story line was good, and the equipment used was very accurate.

Let me take you back 49 years to 1941. I was sitting in Shibe Park, watching the Eagles football game (or was it Connie Mack Stadium?) I'll let you guys argue that one. [It was Shibe Park back then. -Ed]. The announcement was made that the Japanese had bombed Pearl Harbor.

I was 21 years old and A-1 draft bait. So, I enlisted in the Army Air Corps (later called the U.S. Air Force). I think they called it patriotism or love of country. After doing my basic training, I was selected to go to radio school for a six-month course at Scott Field in Illinois. This made a lot of sense, coming from a background of office work at a stock broker.

When I graduated, I could send and receive 20 words a minute, and troubleshoot the transmitter on a bomber.

The two months in gunnery school at Harlington, Texas, was fun. We learned to shoot at targets moving at us from all directions. We had a .30 caliber machine gun firing from an open cockpit. The target plane would fly by us from different directions, pulling a sleeve. Our bullets were colored to leave marks in the sleeve. If we

hit the target enough times we got an "O.K. for combat."

Now I was a staff sergeant classified as a radio operator gunner.

A crew was made up, and we started to fly our B17 bomber. The ten-man crew was made up of a pilot, copilot, bombardier, navigator, crew chief & gunner, radio operator & gunner, ball turret gunner, two waist gunners, and a tail gunner.

For the next few months, we flew all over the country getting familiar with our plane and its equipment.

The maximum speed of our plane was approximately 300 m.p.h., with eleven .50 caliber machine guns, and a normal bomb load of 4000 lbs.

We flew our plane over to England by way of Labrador,

Greenland, and Iceland.

We then became a member of the 379th Bomb Group, 524th Squadron, of the 8th Airforce. On our first raid over Germany, our crew chief was killed by a direct hit of a 20 millimeter shell on the top gun turret. Our tail gunner was so shaken, he went to the C.O. and told him he quit and would not fly again. The C.O. put him on K.P. for the duration of the war.

Our ninth mission was to Bremen, Germany, but we came back in better shape than the Memphis Belle. The next raid to Hamburg was our last. We were shot up so badly we had to ditch in the North Sea. The Germans picked us up and we spent the next two years in the POW Camp at Stalag 17B — but that's a story in itself.



W..(static).....Q..(static).....3..(noise).....
Q...(etc.).....V.....N.....Y

[I'LL TURN THE MODEM AROUND]

W3.....W3QV...N3.....RL...
 ..QV.....W.....N...AY...K.3..LD

[I BETTER UP MY POWER. I'LL CHANGE TO A 200 WATT POWER SUPPLY]

W3QV, W3QV, N3EAY & KA3RLD

[AHHH, THAT'S BETTER. MAYBE I SHOULD HAVE LISTENED TO W3RM. CW PROBABLY WOULD HAVE GOTTEN THROUGH EASIER.]

Helloooooo up there!

I just figured I'd drop you all a line from down here.

First of all, MERRY CHRISTMAS AND HAPPY HANUKKAH to all, from us down here. I hope everyone is enjoying themselves.

O.K., O.K., we fell off the face of the earth for a while. I am sorry about that. I started to write several times, but with all the craziness, none of the letters got finished. Typical.

Through the inconsistencies of Southern Bell, our phone number got changed three times prior to getting into our house. For those of you who wish to have our information here goes: Ruth-anne, Bob, & Lee Ricker, (KA3RLD, N3EAY, & studying novice), 1990 Montero Circle, Deltona, FL 32738, (407)-860-0203 (yes, originally they gave us the wrong area code). (Mr. Gordon, please correct the listing. Thanks.)

Not much to tell. I haven't even gotten a base antenna up yet. That should let you know how busy I've been. 'Thought just occurred to me. This could pose as a great club outing. An antenna party at EAY's - you supply transportation - HI!). Oh well, enough of dreaming.

As to "hug your repeater repairperson." Maybe, on a good day, but if Jim expects a kiss, forget it.

I see by the Blurb, that the meetings are still being held at The Franklin Institute. But the night has been changed to Wednesday or Thursday (not exactly clear). I hope that hasn't negatively impacted on the club. I would also give some merit to the idea of having the meetings on Sunday afternoons. AK2I led me in this direction with his article. Just think. The whole family could come into center city with you, enjoy the Institute, increase business for the Institute, thereby increasing the need for the club with the Institute. Just a thought. I know, I know, be quiet Bob. (970 miles away and still causing trouble. Boy-o-boy!)

I see that I am writing this on Old Timer's Night. I hope all enjoyed the festivities as usual.

Attention Sam Kuncovich: for a new emblem for the club, how about a picture of the statue of Ben Franklin that's in the Institute, with a set of head phones and a hand mike. OR, him sitting at a radio bench. I would have sent you a drawing of this, but I figured you were MUCH better qualified.

Mr. "-Ed."! If you were suggesting, on page 7 of the October Blurb, that the club look into greeting signs with the repeater frequency on them, I think it's a great idea. (yes, I really am 970 miles away.) [Yes, Bob, it really is a great idea; we did it 37 years ago! -Mr.Ed]

TO ALL MEMBERS: Please answer AK2I's plea for Volunteer Operators. Among all the FREE (oh, how amateurs love that word), yes, FREE perks that you get, you will be helping the club's image with the Institute. This is VERY important.

As to Russ Hamilton's article. It's a good thing RLD didn't get a chance to get near this keyboard. Whoooooowee! His sexist remarks really burned her.

Oh well that's it for now. I would have timed out the repeater three times, so it's time to call this to a close. More updates to follow. Again, all is hectic, but well, and we hope to hear from you-all soon. Calling the familiar calls, but with no response; N3EAY, KA3RLD, & Lee.

P.S. Unlike a certain Editor, we will not mention to you-all Northerners that it hit 86 today. Nope. Won't even bring it up. See Ya!

Bob Ricker, N3EAY - at 2400 baud.

Editor's note: Bob is a past president of Phil-Mont—his PREZ SEZs were never this long!

THE WV 3 TK K Q REPORT

by
Jake Kovalchek,
AK2I

On Tuesday, November 6, 1990 we finally had a meeting of all the Volunteer Operators of W3TKQ - probably the first time that that ever took place. The one exception was Dr. Merrill Merman, KT3Z, who comes to the Institute every Sunday, and spends most of his time on CW. I recently wrote to Merrill and thanked him very much for his time and his donations of money to the club station - a super and concerned person.

It was unanimously agreed that we should accept Technician class operators as volunteers, so the offer is hereby extended. All Technician class amateurs now have a chance to join us in a very enjoyable program, one that pays many dividends in many different ways, not only from the Institute, in a great package of benefits, but from a service to people, especially the young. Truly a very rewarding program.

We now have a schedule of operation for W3TKQ. So far we have spent 108 hours for the month of October, 1990, and if everything goes as planned, we will spend 345 hours in the month of November, 1990. A great accomplishment for the club. Many items at the station are in need of repair, and a program is underway now to do just that. N3FVI has done a super job on the Drake TR7 transceiver, at very little expense - a new set of finals. KA3AMO, Steve is doing an outstanding job on the antenna repairs, and is going to complete those repairs, and synchronization of the beam direction indicator at the station, on Tuesday, November 20, 1990. A team has been set up to drop the tower, repair the rotator and to put everything back even better than it ever was. To Steve Hock, KA3AMO; Rolland Madara, W3PWG; Bill Popovic, N3FVI; and Lenny Kovnat, WB3JUA our many thanks. Why must antenna repairs always take place in the winter???

We have not heard anything from Kenwood, Mr. Wayne Yoshida, KH6WZ, as of this writing, however, Mr. Henry Disston, at the Institute, did say he would be telephoning him soon. The planning committee for the new station will be meeting, after the November mid-month meeting, to map out our best thinking on how the new station should be laid out. One idea is that we provide a guest operator position for those coming into the station from the museum. This makes sense because the Volunteer is responsible for the station, and the antenna switching, and protection of the equipment, are high on the list. As soon as we come up with some definitive ideas we are going to ask our resident artist Mr. Sam Kuncovich to prepare an artist's conception for the Blurb, so that we can get some input from the club members. That's it for now but please, one last plea — your money donations are a great way to reduce your tax liability for 1990 — the restoration of W3TKQ is underway. [Contributions to The Franklin Institute are deductible! -Ed]

INTRODUCING

PRESIDENT

Bill Popovic, N3FVI

I have three girls at home; am licensed for five years; vice president last year. Looking forward to being President this year. Look forward to continuing the club philosophy including 'TKQ. Enjoy doing special events, and running refreshments. Also on the net committee and look forward to getting a lot more young people involved in amateur radio; I think that's important to perpetuate it. Got my daughter Carolyn licensed at 11; Anna is 6 and hopefully will get her licensed in a few years. A policeman in Philadelphia for 18 years. I do Photography for a hobby and amateur radio and motorcycles and cars and target shooting and hunting. And I'm running unopposed.

[He shot Bambi! -Ed]

VICE PRESIDENT

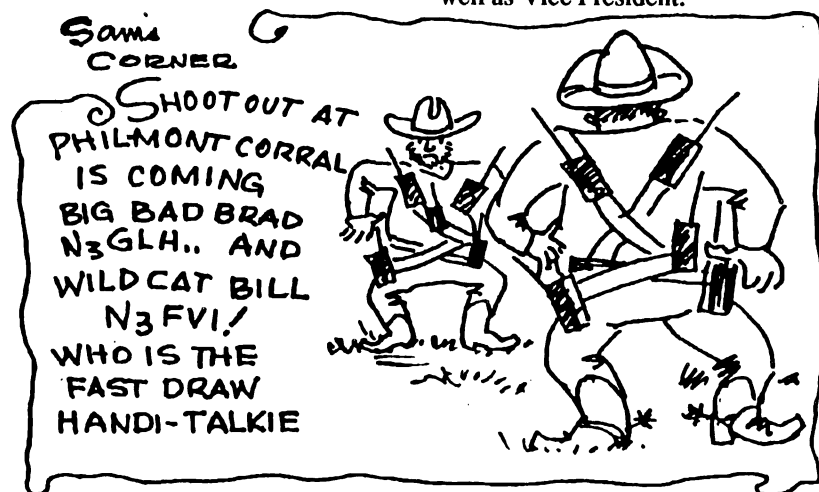
Brad Swanson, N3GLH

Last year you may have wondered who N3GLH was, but now that you have been privy to his extremely accurate monthly minute reports, the mystery has been solved.

I have been a member of Phil-Mont for over 2 years now, and been especially active on the repeater committee as a control operator, and a Mo-Com operator. (Well I was a Mo-Com operator until somebody thought we ought to sell it.)

I am employed by National Guardian Security holding the position of service manager responsible for four states. So, as many of you are aware, my chicken and I are frequently on frequency. I enjoy the sharing of club ideas which is why I am always in attendance at the general and mid-month meetings. Also I take great pleasure in learning, discussing, updating and repairing radio (motorola) equipment.

As a young and enthusiastic Phil-Monter, I served you well as Secretary. Now that I am still young and enthusiastic, but a year wiser, I feel that I will be able to serve you well as Vice President.



NEWCOMERS

Stanley, KC4DPC

For some time now we've been hearing comment about the constantly increasing average age of amateurs. Somehow we get the idea that something terrible is in store for amateur radio if we don't quickly get into our ranks more new and young blood. We propose to discuss this month whether the facts support that fear.

To begin with, an increase in average age, of itself, means nothing. Elementary arithmetic proves that any group of persons, like that comprising something as relatively new as amateur radio, is bound to have an increasing age. Assume, for a moment, that amateur radio is a brand-new hobby, and that 1000 persons, all age 20, take it up the first year. The average age would be, of course, 20. During each succeeding year, suppose another 1000 persons, each 20 years old, enter ham radio. At the end the second year, since the original 1000 is a year older, the average age rises to 20 1/2. Following this process over a period of years, we would find that at the end of the tenth year the average age would be 24.5, and at the end of the twentieth year the average age would be nearly 30 - in spite of the fact that the same number of youngsters was entering the game each [year, the] majority these days. Anyway it is something to think about, so maybe we should look a little more at the past to Judge what we are going to do in the future.

keep a cordless conversation private. Devices to scramble calls cost hundreds of dollars, and both parties on the line need to have an unscrambler. The only people who invest in scrambling gear are high-security users like the FBI and the White House.

And even the president isn't completely out of range. Dick Stedman, a dental-supply marketing executive with a vacation home in Kennebunkport, Maine, has compiled a list of 35 unscrambled frequencies for "Bush watching." He says you can track President Bush at his house there by listening to the police setting up roadblocks and TV crews mapping coverage.

At home in his listening room, beneath a framed movie still of Dr. Frankenstein's laboratory, Bob Grove cheerfully admits that scanning, like so many other of life's pleasures, brings the occasional pang of guilt. At the same time, he thinks, anyone upset about privacy issues ought to be blaming the makers of wireless devices.

"The industry has been remiss in not providing a program of awareness for the hapless users of these two-way radios," he argues. Phone-makers respond that their manuals do indeed warn that wireless conversations are subject to eavesdropping.

It's possible that bigger-print warnings wouldn't make much difference anyway. "All your life you think of a conversation as having just two parties," Mr. Grove says. "Every time I use my cordless telephone, I forget that there might be someone listening. And no one in the U.S. should be more aware of that than me.

He turns up his scanner: "You never have gotten your checks, baby-stop by the bank where Daddy opened up your accounts.... They want a media package, films, the works.... Well, I've got to pick up some chemicals...."

tnx Wall Street Journal

tnx Delmont RC's RAG CHEW

about as cheap as hunting or fishing, and it is less regulated. An entry-level listener can get started with a \$250 scanner. Once you get into it, you can spend thousands on antennas, timers and recorders. Federal law permits monitoring virtually anything broadcast over the air, on the theory that users of wireless devices knowingly forfeit their privacy. Cellular phone calls are an exception, theoretically off-limits thanks to a 1986 statute commonly flouted and never enforced. (Monitoring household cordless phones is perfectly legal.)

Moral Question

Whether this hobby is moral is a different question, one that the staff of Monitoring Times has wrestled with in its pages.

"Scanning requires that we exercise a degree of common sense and responsibility," wrote columnist Bob Kay in a recent issue. "Before you begin to monitor your neighbor's cordless phone, ask yourself if you really want to learn about his or her personal activities, sexual habits, and other intimate secrets."

Most hobbyists have thought about it and decided: absolutely.

"When we lived in Dallas, we used to listen to this one couple. He's married she's divorced, he's seeing her on the sly," recalls Larry Van Horn, a Navy chief petty officer in New Orleans. "Whenever we'd hear them, we'd call our friends and say, '[They're] on, everybody tune in!' That was the bad part of leaving Dallas. I'd have to miss hearing [them]."

Not every conversation, a scanner picks up, is quite so compelling. The Wall Street Journal recently wandered around the Upper West Side of Manhattan with a portable Scanner tuned to cordless-phone frequencies. It overheard an actor scheduling an audition, someone explaining how to get

into Sticky Mike's Frog Bar and a conversation about health clubs. (She: "If I don't have my headphones, I can't concentrate." He: "That's so true!") Then there was the woman on 108th Street who was arranging to buy illicit drugs. She wanted some for her sister, too.

Important, Indiscreet Remarks

What voices a scanner pulls from the sky depends on which range of frequencies the device is built to receive from among the hundreds in use. Some offer up much more than chitchat. Fred Anderson, an Exeter, N.H., anti-nuclear activist, found that his scanner could pick up conversations in the control room at the Seabrook nuclear plant. He taped them for several months last year, and embarrassed the plant by publicizing the highlights: unsettling remarks like, "I've got a bad feeling about these valves."

Other listeners prefer to turn their dials to lighter fare. Kevin Coulter, a Chicago computer engineer, brings a portable scanner to car races and hears drivers talking to their pit crews. Mr. Kay, the Monitoring Times columnist, once parked his car outside a Pennsylvania dinner theater and enjoyed "Oklahoma" as the musical was transmitted to him via performers' wireless microphones.

Fast-food restaurants whose employees take drive-through orders on wireless headsets are popular with the scanner set. "You hear the teen-agers joking among themselves, sexually harassing each other," says Robert Parnass, an Oswego, Ill. computer scientist who has taken his scanner to McDonald's. "They have a button they can press so the customer can't hear them, but a scanner can."

Expensive Safeguards

Fortunately for scanner buffs, it is quite cumbersome, not to mention costly, to

SECRETARY

Ted Lada, N3FTZ

QST; I am writing this to introduce myself to the club membership, since I am running for secretary next year. I've been a Phil-Mont member for three years; first licensed by the FCC as KA3SCL on August 11, 1987, along with my XYL, KA3SCK. We are now N3FTZ and N3FTY respectively.

With the help of Phil-Mont's code practice net, the upgrade journey proceeded until June 1988, when a Phil-Mont group of VEs granted me a certificate for extra class operating privileges.

The helpful services provided, and the examples set by so many of the club members, motivated me to become active in the VE program. In October 1988, I applied for, and received, the ARRL volunteer examiner's badge, and have been a participant in the majority of the club testing sessions since.

Other amateur radio activities that I have enjoyed include the annual CoreStates bike race, the American Cancer Society Bike-a-thon, midnight field day trips to the mountain station of the U of P ARC, and, this year, the MS 150 bike tour to Ocean City.

Well, so much for the fun aspects of the biography. When I am not spending time with the family, or pursuing a hobby, it's gainful employment time. To keep the checkbook in balance, I work for a local bank managing the data communications planning group in the data processing division. We do such things as designing and ordering the leased telephone line network to keep the Automatic Teller Machines talking to the mainframe computer. At 40, and going on 39 years of age, I am an Alumnus of Drexel University with BSEE and MBA degrees.

Ok, that's a little about me. I think it is important for club members to be active, and I am willing to serve as secretary for 1991.

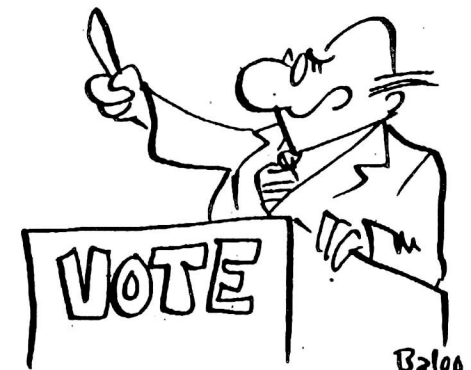
Rob Moore, N2RM

I have had a ham radio license since 1960 and have been a member of Phil-Mont since the early 1970s. My first exposure to the club was through my father, W3EQV, in the 1960s, and I attended numerous meetings and activities of Phil-Mont at that time, including several field days.

In 1988 and 1989 I was secretary of Phil-Mont. I am a member of the Frankford Radio Club and am active in DX contests, most often in the multi-operator category. In the most recent CQ World Wide Phone Contest my station and operators set a new U.S. record score making over 7000 contacts in a 48 hour period.

I am employed by the U.S. Department of Commerce as a Financial Analyst.

I believe Phil-Mont has made an important contribution to ham radio over the years and hope that continues in the future.



"Confusing, dangerous times call for confusing, dangerous leadership!"

TREASURER

Ed Masarsky, KB3IV

Former "C'Ber", and member in good standing of "The Dirty Dozen," I'm the current treasurer of Phil-Mont. A Ham radio license holder since 1978, I joined Phil-Mont in 1980, and have served as a club officer 9 times (second only to W3BBB/QQH, 10 times).

Treasurer 1982, 1983

President 1984, 1985

Treasurer 1986, 1987, 1988, 1989, 1990

I enjoy the club and its members, and participate in all Phil-Mont activities and meetings. It would be both a pleasure and privilege to continue serving our club as your treasurer. Please come to the December 5 meeting and show your support for our club by casting your ballot for all the fine candidates. Be sure to mark KB3IV for Treasurer.

Thank You.

Virginia Macrie, KA2ZZA

[No biography received by press time.]

GOOD OPERATING

The other day I was monitoring the repeater and heard two Amateurs in QSO—actually, I only heard one Amateur. I never had a chance to hear the other one! The Amateur who was talking continued to do so, and do so, and do so. He got no fewer than 10 "beeps;" he'd talk for a minute or two, unkey, key up again and continue talking.

We have no problem with anyone talking for 10 minutes, or even 20 minutes or whatever, but not at one time; please. The

reset tone or "beep" is NOT there for YOU. It is there for the other guy. Do not continue to unkey and "get a beep" during the same exchange—turn it over to the other guy, listen to what he has to say, and then talk some more. Talk as long as you like.

The reset tone is there to allow other people to break in, not for you to continuously reset to avoid timing out the machine. Remember—limit the length of each transmission — it's GOOD OPERATING!

tnx WORLD RADIO

If You Don't Like Hearing All the Dirt, Don't Get a Scanner

Devices Tap Cellular Phones, Pagers and Baby Monitors; 'Better Than Soap Operas'

At nightfall in the Smoky Mountains, the only sounds inside Bob Grove's home are the wind in the sourwood trees, a chorus of crickets, and an intimate conversation between two people 60 miles away in Chattanooga, Tenn.

Male voice: "It's strictly platonic!"

Female voice: "I'm going to aerobics...."

Male voice: "I know you think I'm lying, but it was all platonic...."

Mr. Grove doesn't know these people he's listening to, and they don't know that their phone call is providing live entertainment on Mr. Grove's scanner radio. On a clear day, he can also pick up a nearby McDonald's takeout window, the local highway patrol helicopter, the neighborhood hospital's paging system, Georgia game wardens, various taxi dispatchers, Alcoholic Beverage Control field agents, 20 different sheriff's departments, several electric power companies, and beeps from the collar of a hunting dog down the road.

"It's better than soap operas, and there's no commercials," says Mr. Grove. The air has become a rich feast for people like Mr. Grove, who are making a hobby of listening in. Americans all over the place are talking to one another on devices without wires: phones in cars, cordless phones at home, and mobile radios in government and private offices. This new technology has opened up a huge gap in the privacy of personal and business conversations, and thousands of radio buffs are happily diving in.

A former science teacher with the folksy manner of public TV's Mr. Rogers,

Bob Grove has made Brasstown, NC the capital of recreational snooping. Besides keeping tabs on his electronic neighborhood, he runs a profitable mail-order business in scanners, antennas and directories of cordless-device frequencies. He also publishes Monitoring Times, a 30,000 circulation monthly magazine of technical tips and tales of scanning. In the past three years his sales have doubled and now, he says, are over \$1 million a year.

The proliferation of cordless phones, in recent years, has transformed Mr. Grove's business. Gone are the days when police groupies bought scanners just to listen to cops in squad cars speaking in code. "People call me and say, 'Bob, my neighbor is having an affair, I need a better antenna,'" Mr. Grove says.

An even juicier medium than the telephone is the baby monitor, a device many new parents use to transmit sounds from the crib to a speaker elsewhere in their home. "People don't realize it's just like planting a bug in your house," says Steve Douglass, an Amarillo, Texas, photographer and scanner fan. "Anyone in the neighborhood listening on that frequency can hear the whole house."

Mr. Douglass has his own way of pinpointing exactly which neighbor's baby monitor he is listening to. He wires his scanner to a tape recorder, drives by a suspect's house, honks his horn, and goes home to see if the scanner heard the honk. "Sooner or later, you can figure out which house it is," he says.

As hobbies go, eavesdropping can be

SWR!

H.A. Ray

Everyone writing on SWR states some truths, but invariably adds more mystery and confusion to the subject in the process. There is no question about whether energy or power flows in both directions on a transmission line. The existence of standing waves on the line is a summation of the forward and reverse waves, and can be predicted with mathematical accuracy.

The confusion is in what the SWR meter is saying to us. It is saying that "potential" energy is passing the meter in both directions, and "IF" this line was terminated at both ends in its characteristic impedance, that energy would be dissipated at a certain rate (which is called power). Note the "IF".

Let us take a few examples. If we have an infinitely long line, with no loss, and we turn on a transmitter for one second, a block of energy 186,000 miles long would propagate down the line, and keep going long after the transmitter was shut off.

The forward SWR meter will read the transmitter power for one second as the block passes it. The meter simply says that, "IF" the far end of this line is terminated in its characteristic resistance, there would be the transmitter power in watts dissipated in this resistor for one second, when this energy block reaches it. It is perfectly respectable to call this "energy flow", but it must be called "potential" energy and, at certain time rate, "potential power".

The forward SWR meter doesn't know whether power was extracted at the far end or not. If the far end of the line is open, or short-circuited, then all of this potential energy will reflect and flow as a block, in the reverse direction, on the line. Now, suppose we turn on the transmitter for one more second. We now have two blocks of

energy flowing toward each other. When they meet they will cause a standing wave, on the line, for one second, where they overlap.

Now let's turn on the transmitter for a third time, just as the first block of energy reaches its terminals. Depending upon the transmitter matching conditions, the first block of energy will reverse, and combine with the transmitter power. We now have a new block of energy which will be read, by the forward SWR meter, as greater than the transmitter power. This is not surprising, as we know part of it came from the transmitter, and the rest of it was the reverse power, reversing again when it hit the transmitter.

This is not just a fictitious example. Time domain reflectometers show us pictures of forward and reverse energy flow on lines. In fact, all calculations of impedance, and standing waves on lines, are derived from the forward and reverse energy flow on transmission lines.

Sanding wave meters are just what they say they are. They show the magnitude of the forward and reverse waves which are propagating on the line, and they convert this to the power that would be absorbed "IF" the line was terminated in its characteristic impedance.

The above example illustrates that, on a good line with large conductors, or a lossless line, there is no power loss due to large SWR or reflected power. The power, delivered to the line, simply flows back and forth until it is dissipated in the antenna or load. Large standing waves produce points of high current on the line. The current-squared times the resistance of copper wire at this point is the loss in watts. It is usually insignificant on amateur transmission lines. If the transmitter will load up to power, forget the SWR.

Inx Sussex ARC

DIRECTOR

Jim Spencer, W3BBB

One of five charter members, Jim received his class A license in 1950 under the call of W3QQH. When multiple calls were permitted, he got W3BBB on a random selection. When required to return to one call only, he retained W3BBB because "Bigger, Better Babies" was easier to remember.

He has served as President, Secretary, Treasurer and Board member, and was involved with the design and construction of all five Phil-Mont Communications Vehicles. He assembled the 10 mtr. AM repeater in 1969 and later the 2 mtr. repeater serving as Trustee and repeater committeeman for W3QV since it changed from WR3ADS.

In a year when Phil-Mont has had to make radical changes, he hopes "to maintain the tradition and common sense values of one of the oldest radio clubs in the area."

Sam Smith, K3GBA

I was a World War II naval radio operator and communications manager (CPO) for 7½ years. During 1958 I secured a general ticket and, some months later, became a member of Phil-Mont.

I've served a term as elected secretary of the club, several terms as director and am currently serving as an appointed director. Over the years I also served on a number of committees, and was sole net control station on 29.493MHz for a number of years, logging most Phil-Monters, and many DX sta-

Stuart Tener, N3GWW

Hello there! Most Phil-Monters know who I am; some know me more affectionately as "DINO". When I first got my amateur ticket, over two years ago, I almost immediately attended my first Phil-Mont meeting. I am quite happy to say that it was a short time later that I applied to become a member of Phil-Mont, and was voted in.

For many years, I have served as an officer of the assortment of social organizations I have belonged to. I was treasurer all through high school, as well as treasurer of my fraternity for 2 years; representative to student government for my school's professional computer organization, as well as serving as treasurer. I was also vice president of a local epilepsy foundation, and am currently involved in politics as an elected Republican committeeman.

Why am I telling you all this? Well, I guess by now you have realized I want to become an elected Director of the Phil-Mont Mobile Radio Club. I hope you feel I am most qualified, and will best serve the needs of the club. Please vote for me in the upcoming election.

I hope to see everybody at the next meeting, and would like to take full advantage of this opportunity to wish everyone a happy holiday season.

tions regularly every Sunday at 10 AM local time. Should I be elected to the position of director I would continue to promote the advancement, and best interests of the Phil-Mont membership.

DIRECTOR

(CONTINUED)

Arnie Sadwin, KC2HX

I have been a member of Phil-Mont since 1972 and have held the office of Vice-President and President, but have never been a director.

I am honored at the opportunity to run for this office and will take the job seriously and try to attend the majority of meetings, although will not be 100% attendant for reasons not under my control, in view of my profession.

Nonetheless, I actively seek support for the position of Director, and am looking forward to the night of elections.

[Attached was a six page *Curriculum Vitae*, which included B.A., M.D., F.A.P.M., F.P.C.P., KC2HX. — we got the last part!]

SIC 'EM!

The FCC is conducting a nationwide sweep of cable systems to ensure compliance with new signal leakage limits that went into effect July 1. All systems found to exceed a specific leakage threshold will be ordered to shut down operation in the bands 108-137 and 225-400 MHz. These are not amateur frequencies; they are aviation communications and navigation frequencies. Cable systems ordered to stop using those frequencies will also be subject to fines.

tnx W5YI Report

Ben Roeschman, W3LKI

Born in spring, long time ago and member of Phil-Mont family for 35 springs, as a regular member, committee helper, Vice-President, and Board of Directors member. Also have been volunteer with VE program, Core States Bike Race, running marathons, Thanksgiving Day parade, field days and W3TKQ.

As much as I can, I will continue to contribute to Phil-Mont growth from any point of view, as grass roots member, to Board of Directors.

NAP TIME!

Are you stressed-out over the Morse code? Would rather sleep? PASS Publishing (PO Box 570, Stony Brook, NY 11790) has announced hypnosis tapes for learning the code, increasing your speed, even mastering those special techniques DXers and contesters use without even having to turn on a radio or even get a license.

According to PASS, CW is stressful, while learning as you sleep "induces relaxation." Using the CW Lite tape for learning the code will "bypass the critical thinking of your waking consciousness and directly affect how you feel about learning the code." CW Mental Block Buster is for those hard core cases who have given up, and Contest Code promises higher speeds and "the essentials for working DX and contests."

tnx The ARRL Letter

unit in the telephone handset may eliminate unwanted signals. Toroid rings and ferrite beads are also very effective filters.

CB RADIO INTERFERENCE: It is necessary to determine which channels are being affected if you suspect CB radio operators are the cause of your TVI. The problem is typically CB harmonics if only TV channels 2 and/or 5 are affected and all other VHF channels are undisturbed. The problem is usually an overloaded tuner in the television if the interference appears on all VHF channels. CB interference can also cause cordless telephones to ring.

Install a high pass filter on TVs when CB interference is suspected. High pass filters reduce the fundamental signal strength to a level that the television can handle. Keep all cables and wires on electronic devices as short as possible. Use shielded grounded coaxial cable wherever possible, and install .001 microfarad capacitors across speaker terminals to stop interference coming through stereo speakers.

COMMERCIAL RADIO INTERFERENCE: Blanketing interference is the ability of an unwanted commercial broadcast station to override the audio of radio, television or telephone service. Contact the station to lodge a complaint and solicit assistance. The broadcaster will usually be aware of the areas where he must provide interference solutions and can provide filters free or at cost to take care of difficulties specific to his frequency

CABLE INTERFERENCE: Because the cable system is fed to the subscriber through a shielded and grounded cable system from another location, subscribers to the cable service should not get interference from any local source. However, electrical interference, superimposed programming and amateur/CB caused voice and herringbone patterns can occur.

The most likely reasons for the interference is a break in the shielding of the cable allowing stray signals to enter the cable system, or the circuitry in the affected device picks up the signal by means other than the antenna.

Check all cable connections for tightness. Contact the cable company for assistance. If they do not respond, contact your local FCC office and the FCC will notify the cable company of the leakage and request action to resolve the problem.

COMPUTER INTERFERENCE: While minimal, it does exist. The timing mechanism in a computer is an oscillator which emits some RF signals. The FCC puts levels on these RF emissions. The interference can take the form of a herringbone pattern through the video or static noise on a radio receiver. A label appears on a given computer design that has been Commission approved for residential or business marketing.

tnx BRATS & W5YI

RADIO WAVE INTERFERENCE

Joycelyn Walls, the Public Affairs Specialist in the FCC's Baltimore, Maryland, field office has been writing a series of bulletins on radio interference aimed at the public. Among some of her tips:

LOCATING ELECTRICAL INTERFERENCE: Tune a battery operated portable AM radio to an AM station. Make sure you are receiving the interference. Take the radio with you to your breaker box and shut off the main switch. If the interference remains, the interference is outside of your home and you should contact the operations department of your power company. If the interference disappears, the interference is in your home and you are responsible for correcting the problem.

To determine where the problem is coming from in your home, turn the main breaker back on. Switch off the breakers one at a time that control different sections of the house while listening for the interference to switch off and on in the radio receiver. Once you have determined the area where the interference is located, go to each electric appliance in that section and unplug each, one at a time, and listen for the interference to disappear from the radio. That will tell you which appliance is the culprit. Then have it repaired.

HANDLING TELEPHONE INTERFERENCE: Telephone interference has been increasing now that AT&T is separate from the local Bell operating companies, and

more customers are buying their own phone equipment. In order to cut costs, and be more competitive, phone equipment companies began leaving out many seemingly unimportant devices that helped to attenuate interference from several different sources and the problem of audio rectification. Audio rectification is the detection of unwanted modulated RF signals.

Cheap phones have less than adequate filtering and shielding, and can transmit interference to other telephones being used in the home. Expensive programmable phones used most often by businesses have many other functions resulting in extreme sensitivity. These added functions require extra electrical circuitry and are more difficult to filter.

Disconnect the phone that receives the interference the worst, then listen to the other extensions to see if the interference is still present. Listen for the call letters of the broadcast station you are receiving the interference from. Then contact the station to solicit any technical assistance. Also request advice and filtering methods from the telephone company.

If your residential phone has a modular hookup, a Z100A (desk top) or Z101A (wall model) filter purchased from an AT&T phone store should help. (Also available by mail order from AT&T's Service Center in St. Louis, MO. 800-222-3111). Radio Shack also markets a (Archer #273-104) snap-on-choke filter. A .01 microfarad bypass capacitor connected across the microphone

BOB LACHMAN, W3UQ

October 27, 1990

Bob had many friends and I always felt I was one of them. He could make one feel friendly.

He was a teacher of Industrial Arts in the public schools until he retired. His wife, Leatha, was with the Federal Government until she retired.

Having free time to enjoy life, they acquired a house at Beach Haven West, in New Jersey, with a boat, ocean, whatnot and being a fixer teacher, Bob really did a good job on this summer home.

Eventually they got the retirement idea of a winter home in Florida and sold their home in Springfield, Delaware County. So, now they had a home in Florida for winter and one in Beach Haven for Summer. (What a life!)

I first met Bob on the air. He was "Ham" all the way. He loved Philmont as I do, and he had many connections there. His homes were always a welcome spot for his friends. His vertical and beam antennas had a friendly voice.

In the winter he was an anchor-man in Florida on 14176. He was on the net frequency in the mornings with weather reports, etc. (We said he was employed by the Chamber of Commerce - he was as bad as AA is now - HI.) But, after the boys finished the old line of BS, Bob and I would go into computers and cats.

Bob's cat, Rufus, has diabetes so Bob had to give him a shot every day. He told me Rufus got so used to that shot he would wait around for it. (Boy!) Anyway, we would discuss Rufus and my cat "Tiger".



With the passing of time, Beach Haven West became too far from Florida for the Lachmans, so they sold that house and acquired one the mountains of western South Carolina.

But, then disaster came to the Lachman couple. Leatha fell ill, and this took most of Bob's time. During Leatha's illness Bob developed medical problems. Then Leatha passed away. Bob went to Johns Hopkins in Baltimore, and finally the National Institute of Health, where he passed away Saturday, October 27, 1990.

Robert had a sister, mother-in-law and her relatives.

Robert, God Bless you - We miss you.

W3SGR

1990

DECEMBER

1990

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
2 2M NCS N3FVI 10M NCS ANYONE 75M NCS AK2I	3	4 CODE PRACTICE NET at 8 PM	5 GENERAL MEETING at The Franklin Institute ELECTIONS Refreshments at 7:00 PM Meeting starts promptly at 7:30!	6 LICENSE EXAMS at The Franklin Institute Registration begins at 6:00 Doors close at 6:30 PM <i>sharp!</i>	7 <i>Pearl Harbor 1941</i>	1 World AIDS Day ICOM Day at Hamtronics 8
9 2M NCS K3QLY 10M NCS ANYONE 75M NCS W3PWG	10	11 CODE PRACTICE NET at 8 PM	12 <i>Hanukāh</i>	13	14	15 <i>Bill of Rights Day</i>
16 2M NCS KA3AMO 10M NCS ANYONE 75M NCS W3AOA	17 <i>Wright Brothers' Flight 1903</i>	18 CODE PRACTICE NET at 8 PM	19 DIRECTORS' MEETING at W3IIM & N's Christmas Cottage	20	21 <i>Winter Solstice Pilgrims Landed 1620</i>	22
23 2M NCS KB3IV 10M NCS ANYONE 75M NCS W3RCE	24	25 <i>Christmas Day</i>	26	27	28 <i>Woodrow Wilson Born 1856</i>	29
30 2M NCS W3BBB 10M NCS ANYONE 75M NCS W3HFY	31 THE ORIGINAL KEY THAT UNLOCKED WORLD-WIDE COMMUNICATION!  <i>Straight Key Night</i>		<i>He who walks in another's tracks leaves no footprints</i>			

OFFICIAL ABSENTEE BALLOT

This is your Official Absentee Ballot for the PMRC Election of Officers to be held on December 5, 1990. This ballot must be in the hands of the Judge-of-Elections before voting begins on election night.

PROCEDURE:

1. Make your selection below.
2. Seal this BALLOT in an envelope.
3. Write your call on the OUTSIDE of the envelope.
4. Place inside another envelope and mail, or have delivered, to the Judge-of-Elections before the election begins on December 5th.

NOTE: If, after submitting your absentee ballot, you are able to attend the election, you may claim your unopened envelope prior to casting a regular ballot.

PRESIDENT	() N3FVI, Bill Popovic	()
VICE-PRESIDENT	() N3GLH, Brad Swanson	()
SECRETARY	() N3FTZ, Ted Lada	() N2RM, Rob Moore
TREASURER	() KB3IV, Ed Masarsky	() KA2ZZA, Virginia Macrie
DIRECTOR (Vote for two)	() W3BBB, Jim Spencer () K3GBA, Sam Smith () N3GWG, Stuart Tener	() KC2HX, Amie Sadwin () W3LKI, Ben Roeshman

DELIVER TO THE JUDGE-OF-ELECTIONS
or mail to him:

JACOB KOVALCHEK, AK2I
1228 Heartwood Drive
Cherry Hill
New Jersey
08003

PHIL-MONT MOBILE RADIO CLUB, INC.

1991 BUDGET

ACCOUNT	INCOME	EXPENSE
ARRL RENEWALS	\$300.00	\$276.00
ARCHIVES	---	25.00
AWARDS	---	100.00
BLURB/BLURB SUBSCRIPTIONS	30.00	1,850.00
DONATIONS	200.00	---
DOOR PRIZES: 50-50	300.00	150.00
DUES	2,400.00	---
INITIATIONS/BADGES	75.00	75.00
MISC. INCOME/EXPENSE	25.00	29.00
MEMORIAL/SUNSHINE FUND	---	50.00
PROJECT SALES/EXPENSES	10.00	10.00
REFRESHMENTS	---	250.00
REPEATER MAINTENANCE, REPAIR	---	150.00
AUTO PATCH	---	140.00
SOCIAL EVENTS	300.00	300.00
SPECIAL EVENTS	---	10.00
STATIONERY, POSTAGE, SUPPLIES, BANK	---	75.00
W3TKQ STATION MAINTENANCE, REPAIR	---	150.00
	\$3,640.00	\$3,640.00

Dec 1990